



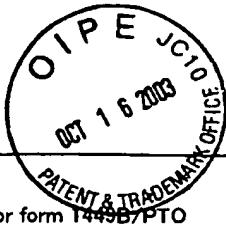
<p style="text-align: center;">Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i></p>				<i>Complete if Known</i>	
				Application Number	
				Filing Date	
				First Named Inventor	Takashi Matsuoka
				Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	

U.S.PATENT DOCUMENT					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
MJC		US 5,923,688	JP	07-13-1999	NEC Corporation
		US			

FOREIGN PATENT DOCUMENT						
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code ³	Number ⁴	KindCode ⁵ (if known)		
MJC		JP	08-086978	A	04-02-1996	NTT CORPORATION
MJC		JP	10-294532	A	11-04-1998	TOSHIBA CORP
MJC		JP	2002-176196	A	06-21-2002	NGK INSULATORS LTD
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 Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>		
Application Number						
Filing Date						
First Named Inventor	Takashi Matsuoka					
Art Unit						
Examiner Name						
Attorney Docket Number						
Sheet	1	of	1			

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ²
MAG		Bernardini et al., "Spontaneous polarization and piezoelectric constants of III-V nitrides", Phys. Rev. B, 56 (1997) R10024	
MAG		Osamura et al., "Fundamental absorption edge GaN, InN and their alloys", Solid State Comm., 11(1972)617	
MAG		Puychevrier et al., "Synthesis of III-V semiconductor nitrides by reactive cathodic sputtering", Thin Solid Films, 36(1976)141	
MAG		Tansley et al., "Optical band gap of indium nitride", J Appl. Phys., 59(1986)3241	
MAG		Matsuoka et al., "Wide-Gap Semiconductor (In, Ga) N", International Symposium on GaAs and Related Compounds, (Karuizawa, Japan, 1989); in Inst. Phys. Conf. Ser., 106. pp. 141 – 146	
MAG		Matsuoka, "Phase Separation in Wurtzite $In_{1-x-y} Ga_x Al_y N$ ", MRS Internet J. Nitride Semicond. Res. 3,54(1998)	
MAG		Matsuoka et al., "OPTICAL BANDGAP ENERGY OF InN", Extended Abstracts(the 36 th Meeting.); The Japan Society of Applied Physics and Related Societies, pp. 270 (1p-ZN-9) (1998)	
MAG		Matsuoka et al., "OPTICAL BANDGAP ENERGY OF InN", Extended Abstracts(the 49 th Spring Meeting, 2002); The Japan Society of Applied Physics and Related Societies, pp. 392 (29p-ZM-1)	
MAG			
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Examiner Signature	Marcia Edys	Date Considered	8/11/2005
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<p><i>DEMAILED</i></p> <p>Substitute for form 1449A/PTO</p> <h1>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h1> <p>(use as many sheets as necessary)</p>				Complete If Known	
Sheet	1	of	1	Application Number	10/665,515
				Filing Date	September 16, 2003
				First Named Inventor	Takashi Matsuoka
				Art Unit	
				Examiner Name	
				Attorney Docket Number	96790P439

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Examiner Signature	Maria Golub	Date Considered	8/11/2005
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Substitute for form 1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Sheet	2	of	2	Application Number	10/665,515
				Filing Date	September 16, 2003
				First Named Inventor	Takashi Matsuoka
				Art Unit	
				Examiner Name	
				Attorney Docket Number	96790P439

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>MAG</i>		"Physics of high-power InGaN/GaN lasers", J. Piprek, et al, IEE Proceedings-Optoelectronics IEE UK, vol. 149, no. 4, 8/4/2002, pgs 145-151
<i>MAG</i>		"Quantum-Confined Stark Effect in an AlGaN/GaN/AlGaN Single Quantum Well Structure", Japanese Journal of Applied Physics, Part 2, vol. 38, no. 8B, 8/15/1999, pgs L914-L916

Examiner Signature	Morrison Bob S	Date Considered	8/11/2005
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